

VARIABLE-DUCT SUPPORT ASSEMBLY

Abstract

One advantageous embodiment of the present invention is a variable-duct support assembly (14) for mounting one or more ducts (12a-12c) thereon. This variable-duct support assembly (14) includes one or more rails (18) each having a groove (40). Each groove (40) has one or more pairs of support brackets (20) positioned therein for supporting a proximal surface (22) of the ducts (12a-12c). The support brackets (20) are coupled to one or more flexible bands (24) and utilized for clamping the duct (12a-12c) between the support brackets (20) and the flexible bands (24).

The flexible bands (24) are intended to contact and wrap around a distal surface (26) of the duct (12a-12c) so as to distribute a load substantially across the distal surface (26). Likewise, the support brackets (20) each include support portions (28) for distributing the load substantially across the proximal surface (22) of each duct (12a-12c).